

## Curriculum vitae

### PERSONAL INFORMATION

Family name, First name: Salvato Gerardo

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Date of birth: 16/10/1984

Nationality: Italian

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### • EDUCATION

- 01/12/2023 Abilitazione Scientifica Nazionale (Professore I° Fascia) for the Scientific Sector 11/E1 (SSD: MPSI/01-02-03).
- 08/01/2020 Abilitazione Scientifica Nazionale (Professore II° Fascia) for the Scientific Sector 11/E1 (SSD: MPSI/01-02-03).
- 30/11/2019 Specialization in Psychotherapy, Scuola Europea di Psicoterapia Ipnotica (Milan, Italy).
- 19/01/2016 PhD in Experimental Psychology and Cognitive Neuroscience (evaluation: excellent), University of Pavia (Pavia, Italy). Prof Gabriella Bottini
- 10/11/2011 Professional Qualification as Psychologist-Neuropsychologist (Albo della Lombardia, 03/14896).
- 2009-2010 Master's degree in Cognitive Psychology (summa cum laude), University of Chieti-Pescara (Chieti, Italy). Supervisor: Prof Giorgia Committeri
- 2006-2007 Bachelor's Degree in Psychology, University of Chieti-Pescara (Chieti, Italy).

### • CURRENT POSITION(S)

- 2022 – present Tenure-Track Assistant Professor (RTDb), Department of Brain and Behavioral Sciences (DBBS), University of Pavia (Pavia, Italy).
- 2015 – present Honorary Researcher at the Cognitive Neuropsychology Centre of the ASST Grande Ospedale Metropolitano Niguarda (Milan, Italy).

### • PREVIOUS POSITIONS

- 2017-2021 Post-doc research fellow, DBBS University of Pavia (Pavia, Italy).
- 2015-2017 Research fellow at the ASST “Grande Ospedale Metropolitano” Niguarda (Milan, Italy).
- 2014-2015 Visiting PhD Student at the Department of Psychology, University of Oxford (Oxford, UK).

### • TEACHING ACTIVITIES

- 2023-2024 Professor of Elements of Neurosciences for Human Sciences. University of Pavia (Pavia, Italy).
- 2023-2024 Adjunct Professor for the courses of Neuropsychology of Epilepsy and Forensic Neuropsychology (Specialization School in Neuropsychology). University of Torino (Turin, Italy).
- 2022-present Teaching board member of Cognitive Brain Sciences PhD program. University of Pavia and IUSS Scuola Universitaria Superiore Pavia (Pavia, Italy).
- 2022-present Professor of Cognitive Neuropsychology. University of Pavia (Pavia, Italy).
- 2020-present Professor of Applied Neuroscience. University of Pavia (Pavia, Italy).
- 2021-2022 Adjunct Professor for the courses of Neuropsychology of Epilepsy and Forensic Neuropsychology (Specialization School in Neuropsychology). University of Torino (Turin, Italy).
- 2019-2022 Adjunct Professor for the courses of Neuropsychology of Attention, Neuropsychology of Epilepsy, Forensic Neuropsychology. (Specialization School in Neuropsychology) University of Torino (Turin, Italy).
- 2018-2019 Adjunct Professor of Scientific Writing. University of Pavia (Pavia, Italy).
- 2016-2018 Adjunct Professor of Clinical Neuropsychology and Psychobiology. University of Pavia (Pavia, Italy).

- **ORGANISATION OF SCIENTIFIC MEETINGS**

- 2024 Organizer of the 6th Body Representation Network (BRNet) conference, 12-13 September 2024 University of Verona, Italy
- 2023 Organizer of the Conference “La riabilitazione neuropsicologica: stato dell’arte e prospettive future” 27 ottobre 2023 ASST Grande Ospedale metropolitano Niguarda Milano
- 2022 Organizer of the Symposium: “My body in action: how the sense of agency and ownership shape bodily self-awareness”. Congress of the Italian Association of Psychology (AIP) (Padova, Italy).
- 2021 Organizer of the Symposium: “Characterizing bodily self-awareness from touch to action”. Congress of the European Society for Cognitive and Affective Neuroscience (Budapest, Hungary).
- 2019 Co-Organizer of the Symposium: “The bodily self-consciousness: from touch to action”. Meeting of the Italian Society of Psychophysiology and cognitive neuroscience (Ferrara, Italy).

- **INSTITUTIONAL RESPONSIBILITIES**

- 2023 – present Communication officer of the Department of Brain and Behavioral Sciences, University of Pavia (Pavia, Italy).
- 2021-present Member of the Working Group for Didactic Innovation, University of Pavia (Pavia, Italy).
- 2019 Member of the Supervisory Committee for the State Examination for the Licensing to practice as a Psychologist - Session II 2019, University of Pavia (Pavia, Italy).
- 2018-2021 Research Fellow Representative, Department of Nervous System and Behavioural Sciences, University of Pavia (Pavia, Italy).

- **STUDENTS SUPERVISION**

- 2014-present Thesis supervisor for 50 psychology undergraduates at master’s degree level. University of Pavia (Pavia, Italy)
- 2015-present Supervisor of 10 students in postgraduate clinical and experimental psychology training at the Department of Brain and Behavioral Science of the University of Pavia and Cognitive Neuropsychology Centre, ASST Grande Ospedale Metropolitano Niguarda, Milan.
- 2021-present Supervisor of one post-doctoral researcher (dr. Gabriele de Maio) and one neurologist (dr. Claudio Bertolotti) working at the ASST Grande Ospedale Metropolitano Niguarda, Milan. Funded by my research program “PREMEMBER” (GR-2019-12369878)

- **REVIEWING ACTIVITIES**

- 2023 – present Editorial Board Member for BMC Psychology
- 2020-2021 Guest Associate Editor at Frontiers in Human Neuroscience (Cognitive Neuroscience Section)
- 2016-present Reviewer for Current Biology, Neurology, Cortex, Neuropsychologia, Frontiers in Human Neuroscience, Alzheimer’s and Dementia, Journal of Neuropsychology, Plos One, iScience, Scientific Reports, Psychophysiology, JAMA.

- **SCIENTIFIC SOCIETIES MEMBERSHIP**

- 2022- present member of AIP – Italian Psychological Association
- 2015- present member of NeuroMI - Milan Centre for Neuroscience
- 2015- present member of SINP - Italian Society for Neuropsychology
- 2014- present member of SFN - Society for Neuroscience

- **INVITED PRESENTATIONS**

- 2022 Società Italiana di NeuroPsicologia (SINP). *Thermoregulation and bodily self-awareness: is there a link? Evidence from pathological populations*
- 2021 European Society for Cognitive and Affective Neuroscience. *If it's hot it's mine if it's cold, it's yours: body ownership and body temperature.*
- 2021 Columbia University of New York. *Single case studies in neuropsychology.*
- 2021 University of Verona. *Hot & cold: the relationship between body ownership and body temperature.*
- 2020 University of Trento. *Se è calda, è la mia mano, se è fredda è la tua!': correlati comportamentali e fisiologici del senso di body ownership.*
- 2020 Columbia University of New York. *Behavioral and neural correlates of somatoparaphrenia.*
- 2019 Società italiana di Psico-Fisiologia (SIPF). *How body awareness shapes cognition.*
- 2018 Polytechnic University of Milan. *Il piacere del tatto: dalla mano al cervello*

## • PRIZES AND AWARDS

- 2023 "ME in aCTION": toward a multidimensional neurocognitive model of bodily self-awareness (MECTION) - Funding scheme PRIN 2022 - co-PI
- 2022 "VaNIT: Valutazione Neuropsicologica Interattiva in Telemedicina" (VANIT Interactive Neuropsychological Evaluation during Telemedicine). Funding agency: Banca d'Italia. Amount (€): 17.500,00. Co-Investigator.
- 2020 "Investigating "premembering" in patients with refractory temporal lobe epilepsy: a multilayered top-down approach from behaviour to cells." Funding agency: Italian Ministry of Health. Amount (€): 430.100,00. Principal Investigator.
- 2019 "Modelling the PRocesses leading to Organized crime and TerrOrist Networks — PROTON". Funding agency: Europe Commission (Horizon 2020). Amount (€): 4.094.811,50. Co-investigator.
- 2018 Mosconi Prize for the best research in the field of experimental hypnosis (European Society of Hypnosis). (€): 2.500
- 2017 Best PhD Thesis Prize by the Italian Association of Psychology (Associazione italiana di Psicologia (AIP)) and Consiglio Nazionale Ordine degli Psicologi (CNOP) (€):700.
- 2015 "Unilateral Spatial Neglect (USN) and its related symptoms: a tDCS study". Funding agency: Cariplo Foundation. Amount (€): 2000. Principal Investigator.

## • PUBLICATIONS

- 47: Reader, A. T., & **Salvato, G.** (2024). Investigating the relationship between self-reported interoceptive experience and risk propensity. *Cognition and Emotion*, 38(1), 148-162.
- 46: Gerosa, M., Peviani, V., **Salvato, G.**, Pasotti, F., Crivelli, D., & Bottini, G. (2023). The nature of the task stimuli affects graphic perseveration severity: Insights from a single case study. *Cortex*, 167, 273-282.
- 45: Crivelli, D., Crotti, D., Crottini, F., Peviani, V., Gandola, M., Bottini, G., & **Salvato, G.** (2023). Skin temperature changes in response to body ownership modulation vary according to the side of stimulation. *Physiology & Behavior*, 265, 114142.
- 44: **Salvato, G.**, Inglese, E., Fazia, T., Crottini, F., Crotti, D., Valentini, F., ... & Bottini, G. (2023). The Association between Dysnatraemia during Hospitalisation and Post-COVID-19 Mental Fatigue. *Journal of Clinical Medicine*, 12(11), 3702.
- 43: Grecucci, A., Dadomo, H., **Salvato, G.**, Lapomarda, G., Sorella, S., & Messina, I. (2023). Two Grey–White Matter Circuits Separate Borderline Personality Disorder From Controls and Mediate the Relationship Between Specific Childhood Traumas and Symptoms. A mCCA+ jICA and Random Forest Approach.
- 42: **Salvato, G.**, De Maio, G., Francescon, E., Fiorina, M. L., Fazia, T., Grecucci, A., ... & Bottini, G. (2023). "I feel your fear": superior fear recognition in organised crime members. *Cognition and emotion*, 1-9.
- 41: Fazia, T., Bubbico, F., Nova, A., Riggi, E., Caimi, G., Calgan, B., ... & Bernardinelli, L. (2022). Online short-term mindfulness-based intervention during COVID-19 quarantine in Italy: effects on wellbeing, stress, and anxiety. *Frontiers in psychology*, 13, 914183.
- 40: Messina, A., Basilico, S., Bottini, G., & **Salvato, G.** (2022). Exploring the role of interoception in autobiographical memory recollection. *Consciousness and Cognition*, 102, 103358.
- 39: Sietta, G., Ruddy, K., Zapparoli, L., Gandola, M., **Salvato, G.**, Sberna, M., ... & Lenggenhager, B. (2022). White Matter Abnormalities in Body Integrity Dysphoria. *Cortex*.
- 38: Crucianelli, L., Cascio, C. J., Salomon, R., & **Salvato, G.** When the Body Feels Like Mine: Constructing and Deconstructing the Sense of Body Ownership Through the Lifespan. *Frontiers in Human Neuroscience*, 116.
- 37: Dadomo, H., **Salvato, G.**, Lapomarda, G., Ciftci, Z., Messina, I., & Grecucci, A. (2022). Structural Features Predict Sexual Trauma and Interpersonal Problems in Borderline Personality Disorder but Not in Controls: A Multi-Voxel Pattern Analysis. *Frontiers in Human Neuroscience*.
- 36: **Salvato, G.**, Zapparoli, L., Gandola, M., Sacilotto, E., Ludwig, N., Gargano, M., ... & Bottini, G. (2022). Attention to body parts prompts thermoregulatory reactions in Body Integrity Dysphoria. *Cortex*, 147, 1-8.
- 35: Sacilotto, E., **Salvato, G.**, Villa, F., Salvi, F., & Bottini, G. (2022). Through the Looking Glass: A Scoping Review of Cinema and Video Therapy. *Frontiers in Psychology*, 6103.

- 34: **Salvato, G.**, Peviani, V., Scarpa, P., Francione, S., Castana, L., Gallace, A., ... & Bottini, G. (2021). Investigating visuo-spatial neglect and visual extinction during intracranial electrical stimulations: The role of the right inferior parietal cortex. *Neuropsychologia*, 162, 108049.
- 33: Gandola, M., Zapparoli, L., Satta, G., Reverberi, C., **Salvato, G.**, Squarza, S. A. C., ... & Paulesu, E. (2021). Brain Abnormalities in Individuals with a Desire for a Healthy Limb Amputation: Somatosensory, Motoric or Both? A Task-Based fMRI Verdict. *Brain sciences*, 11(9), 1248.
- 32: **Salvato, G.**, Ovadia, D., Messina, A., & Bottini, G. (2021). Health emergencies and interoceptive sensibility modulate the perception of non-evidence-based drug use: Findings from the COVID-19 outbreak. *Plos one*, 16(8), e0256806.
- 31: Crivelli D, Peviani V, **Salvato G\***, Bottini G\*. Exploring the interaction between handedness and body parts ownership by means of the Implicit Association Test. *Front. Hum. NeuroSci.* 2021. doi: 10.3389/fnhum.2021.681904 (accepted 14/06/2021). \*shared last name authorship
- 30: Crivelli, D., Polimeni, E., Crotti, D., Bottini, G., & **Salvato, G.** (2020). Bilateral skin temperature drop and warm sensibility decrease following modulation of body part ownership through mirror-box illusion. *Cortex*.
- 29: Fazio, T., Bubbico, F., Iliakis, I., **Salvato, G.**, Berzuini, G., Bruno, S., & Bernardinelli, L. (2020). Short-term meditation training fosters mindfulness and emotion regulation: a pilot study. *Frontiers in psychology*, 11, 2828.
- 28: Fazio, T., Bubbico, F., **Salvato, G.**, Berzuini, G., Bruno, S., Bottini, G., & Bernardinelli, L. (2020). Boosting Psychological Well-Being through a Social Mindfulness-Based Intervention in the General Population. *International journal of environmental research and public health*, 17(22), 8404.
- 27: **G Salvato**, M Berlingeri, F Curto, A Chiericato, FG Magnani, M Sberna, ... & G Bottini (2020). Autonomic responses to emotional linguistic stimuli and amplitude of low-frequency fluctuations predict outcome after severe brain injury. *NeuroImage: Clinical*, 102356
- 26: G Bottini & **G Salvato** (2020): In medio stat virtus: Integrating two functional models of vestibular cognition, *Cognitive Neuropsychology*, DOI:10.1080/02643294.2020.1784863
- 25: Berryessa, C., Coppola, F., **Salvato, G.** (2020) The Potential Effect of Neurobiological Evidence on the Adjudication of Criminal Responsibility of Psychopathic Defendants in Involuntary Manslaughter Cases. *Psychology, Crime and Law*.
- 24: **Salvato G**, Fiorina ML, De Maio G, Francescon E, Ovadia D, Bernardinelli L, Santosuosso A, Paulesu E, Bottini G (2020). Pathological risk-propensity typifies Mafia members' cognitive profile. *Scientific Reports*.
- 23: **Salvato G**, Fiorina ML, Ovadia D, De Maio G, Francescon E, Bottini G. (2020). Investigating the psychological profile of organized crime members (Chapter)
- 22: Satta, G., Hänggi, J., Gandola, M., Zapparoli, L., **Salvato, G.**, Berlingeri, M., Sberna, M., Paulesu, E., Bottini, G., Brugger, P. (2020). Body Integrity Dysphoria. The neural correlates of a new mental disorder. *Current Biology*
- 21: Pasotti, F., Magnani, F. G., Gallucci, M., **Salvato, G.**, Ovadia, D., Scotto, M., ... & Beretta, G. (2020). Neuropsychological assessment in acute stroke patients. *Neurological Sciences*, 1-8.
- 20: **Salvato, G.**, Romano, D., De Maio, G., & Bottini, G. (2019). Implicit mechanisms of body image alterations: The covert attention exposure effect. *Attention, Perception, & Psychophysics*, 1-10.
- 19: **Salvato, G.**, Richter, F., Sedeño, L., Bottini, G., & Paulesu, E. (2019). Building the bodily self-awareness: Evidence for the convergence between interoceptive and exteroceptive information in a multilevel kernel density analysis study. *Human brain mapping*.
- 18: Voltolini, A. , **Salvato, G.** , Frigerio, M. , Cipriani, M. , Perna, E. , Pisu, M. and Mazza, U. (2019), Psychological outcomes of Left Ventricular Assist Device (LVAD) long-term treatment: a two-year follow-up study. *Artif Organs*. Accepted Author Manuscript. doi:[10.1111/aor.13531](https://doi.org/10.1111/aor.13531)

- 17: Berlingeri, M., Magnani, F. G., **Salvato, G.**, Rosanova, M., & Bottini, G. (2019). Neuroimaging Studies on Disorders of Consciousness: A Meta-Analytic Evaluation. *Journal of Clinical Medicine*, 8(4), 516.
- 16: **Salvato, G.**, De Maio, G., & Bottini, G. (2019). Interoceptive sensibility tunes risk-taking behaviour when body-related stimuli come into play. *Scientific reports*, 9(1), 2396.
- 15: **Salvato, G.**, Mercurio, M., Sberna, M., Paulesu, E., Bottini, G. (2018) A very light lunch: interoceptive awareness deficits and food aversion at onset in a case of behavioural variant Frontotemporal Dementia. *Alzheimer's & Dementia* (in press).
- 14: Bottini, G., Magnani, F. G., **Salvato, G.**, & Gandola, M. (2018). Multiple Dissociations in Patients with Disorders of Body Awareness: Implications for the Study of Consciousness. *Frontiers in Psychology*, 9, 2068.
- 13: **Salvato, G.**, Gandola, M., Veronelli, L., Berlingeri, M., Corbo, M., & Bottini, G. (2018). The vestibular system, body temperature and sense of body ownership: a potential link? Insights from a single case study. *Physiology & Behavior*.
- 12: **Salvato G**, De Maio G, Bottini G. Exploring biased attention towards body-related stimuli and its relationship with body awareness. *Sci Rep*. 2017 Dec 8;7(1):17234. doi:10.1038/s41598-017-17528-2. PubMed PMID: 29222491.
- 11: Maas AIR, Menon DK, Adelson PD, Andelic N, Bell MJ, Belli A, Bragge P, Brazinova A, Büki A, Chesnut RM, Citerio G, Coburn M, Cooper DJ, Crowder AT, Czeiter E, Czosnyka M, Diaz-Arrastia R, Dreier JP, Duhaime AC, Ercole A, van Essen TA, Feigin VL, Gao G, Giacino J, Gonzalez-Lara LE, Gruen RL, Gupta D, Hartings JA, Hill S, Jiang JY, Ketharanathan N, Kompanje EJO, Lanyon L, Laureys S, Lecky F, Levin H, Lingsma HF, Maegele M, Majdan M, Manley G, Marsteller J, Mascia L, McFadyen C, Mondello S, Newcombe V, Palotie A, Parizel PM, Peul W, Piercy J, Polinder S, Puybasset L, Rasmussen TE, Rossaint R, Smielewski P, Söderberg J, Stanworth SJ, Stein MB, von Steinbüchel N, Stewart W, Steyerberg EW, Stocchetti N, Synnot A, Te Ao B, Tenovuo O, Theadom A, Tibboel D, Videtta W, Wang KKW, Williams WH, Wilson L, Yaffe K; **InTBIR Participants and Investigators**. Traumatic brain injury: integrated approaches to improve prevention, clinical care, and research. *Lancet Neurol*. 2017 Dec;16(12):987-1048.
- 10: **Salvato, G.**, Peviani, V., Scarano, E., Scarpa, P., Leo, A., Redaelli, T., ... & Bottini, G. (2017). Dissociation between preserved body structural description and impaired body image following a pediatric spinal trauma. *Neurocase*, 1-5.
- 9: **Salvato, G.**, Scarpa, P., Francione, S., Mai, R., Tassi, L., Scarano, E., ... & Bottini, G. (2016). Declarative long-term memory and the mesial temporal lobe: Insights from a 5-year postsurgery follow-up study on refractory temporal lobe epilepsy. *Epilepsy & Behavior*, 64, 102-109.
- 8: **Salvato G\***, Patai EZ\*, McCloud T, Nobre AC. Apolipoprotein ε4 breaks the association between declarative long-term memory and memory-based orienting of spatial attention in middle-aged individuals. *Cortex*. 2016
- 7: Sedda, A., Tonin, D., **Salvato, G.**, Gandola, M., Bottini, G. Left Caloric Vestibular Stimulation as a tool to reveal implicit and explicit parameters of body representation. *Consciousness and Cognition*. 2016
- 6: **Salvato G**, Patai EZ, Nobre AC. Preserved memory-based orienting of attention with impaired explicit memory in healthy ageing. *Cortex*. 2016 Jan;74:67-78. doi: 10.1016/j.cortex.2015.10.019. Epub 2015 Nov 5. PubMed PMID: 26649914; PubMed Central PMCID: PMC4729287.
- 5: **Salvato G**. Does apolipoprotein E genotype influence cognition in middle-aged individuals? *Curr Opin Neurol*. 2015 Dec;28(6):612-7. doi:10.1097/WCO.0000000000000262. PubMed PMID: 26402402.
- 4: **Salvato G**, Gandola M, Veronelli L, Agostoni EC, Sberna M, Corbo M, Bottini G. The spatial side of somatoparaphrenia: a case study. *Neurocase*. 2016;22(2):154-60. doi: 10.1080/13554794.2015.1077257. Epub 2015 Aug 14. PubMed PMID: 26273743.
- 3: Gandola M, Sedda A, Manera M, Pingue V, **Salvato G**, Spitoni GF, Pistarini C, Giorgi I, Pizzamiglio L, Bottini G. Selective improvement of anosognosia for hemiplegia during transcranial direct current stimulation: a case report. *Cortex*. 2014 Dec;61:107-19. doi: 10.1016/j.cortex.2014.08.007. PubMed PMID: 25481469.

2: **Salvato** G, Dings R, Reuter L. Culture, neuroscience, and law. Front Psychol.2014 Oct 22;5:1196. doi: 10.3389/fpsyg.2014.01196. eCollection 2014. PubMed PMID:25374555; PubMed Central PMCID: PMC4205808.

1: **Salvato** G, Sedda A, Bottini G. In search of the disappeared half of it: 35 years of studies on representational neglect. Neuropsychology. 2014 Sep;28(5):706-16. doi: 10.1037/neu0000062. Epub 2014 Feb 17. Review. PubMed PMID:24548125

Milan, 10<sup>th</sup> of April 2024

Signature 